



IN THE SPECIFICATION

Please place the paragraph bridging pages 20-21 with the following replacement paragraph:

Next, cooperative control of steering and braking and of steering and driving before a limit will be described. Cooperation of a steering system and a braking system, and cooperation of a steering system and a driving system for improving critical motion performance (i.e., the force generated by the vehicle body) have been described above. A cooperation method for extending the control rules obtained above to a range before the limit and maximizing the grip margin of each wheel will be described below.

Please replace the paragraph immediately following equation 31 on page 22 with the following replacement paragraph:

Therefore, the cooperation method for uniformly maximizing the grip margin of each wheel becomes a problem of determining the angle q_i which satisfies the formulae (29) to (31) and minimizes the effective road friction γ . Further, when $F \neq 0$, the problem can be considered as a problem of determining the angle q_i which satisfies the above formula (29) and the following formula (32) obtained by organizing the formulae (30) and (31), and maximizes the following formula (33).